RCA

TV/DVD User's Guide

Changing Entertainment. Again.

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Important Information

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

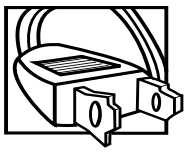
Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates important instructions accompanying the product.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.



Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/ program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

Notes:

The DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of the DVD player, the DVD player cannot play the disc. The Region number for the DVD player is Region No 1.

This device is protected by U.S. patent numbers 4,631,603 and 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

CLASS 1 LASER PRODUCT

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. Returning this card allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. The numbers are located on the product.

Model No._____

Serial No._____

Purchase Date:_____

Dealer/Address/Phone:_____

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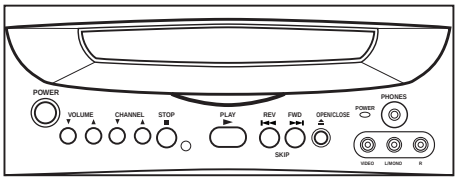
Key Features Overview

Your TV/DVD is equipped with some special features that will add to your viewing experience. The following information summarizes some of these features.

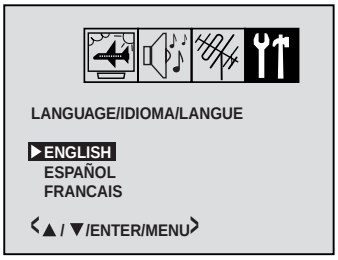


Front Audio/Video Inputs

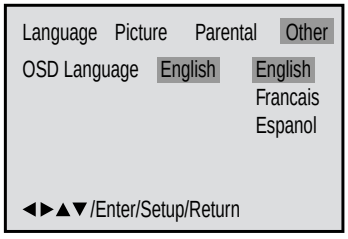
Description: Allows quick easy access for direct audio and video connections for video game or camcorder.

Requirements:

- Connect the component with a/v cables.
- Use the INPUT button to switch between inputs once components are connected.



TV language menu



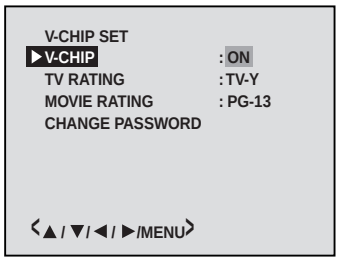
DVD language menu

Multi-Language Capability for TV and DVD

Description: In TV mode and DVD mode, on-screen displays are available in English, French, and Spanish. In DVD mode, discs can support up to 8 different audio languages, 32 different subtitle tracks and closed captioning.

Requirements:

- Use the TV menu system or DVD menu system to set the preferred language.
- Discs must be encoded with the subtitles and audio languages.



V-Chip

Description: You can block programs and movies by age-based ratings, and/or movie ratings.

Requirements:

- Set up the V-Chip in the *V-CHIP SET* menu. Go to pages 29-32 in Chapter 3 for more details.
- The broadcasters must use the rating system when they send the program to your TV in order to block the program.

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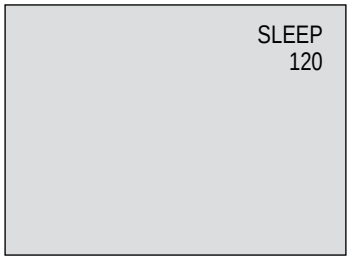

Programmable Sleep Timer

Description: Automatically turns off the TV for those times when you drift off to sleep in front of the television. Can be set to turn off after up to 120 minutes.

Requirement:

- Set the Sleep Timer with the SLEEP button on the remote.

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Connections & Setup

Chapter Overview:

- Things to Consider Before You Connect
- Choose Your Connection
- Connections
- Plug in the TV/DVD
- Put Batteries in the Remote
- How to Use the Remote Control to Move Through the Menus
- Turn on the TV/DVD
- Initial Setup
- The Buttons on the Remote Control

Changing Entertainment. Again.

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Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV/DVD and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your TV/DVD.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV/DVD, route all cables down the side of the back of the TV/DVD instead of straight down the middle of the back of the TV/DVD.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

Important Stand and Base Safety Information

Choose the location for your TV/DVD carefully. Place the TV/DVD on a stand or base that is of adequate size and strength to prevent the TV/DVD from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV/DVD. Refer to the Important Safeguards sheet packed with your TV/DVD.

Use Indirect Light

Don't place the TV/DVD where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

Connection Pictures

Audio/video cables are usually bundled together. For better visibility, the connection pictures in this book show each cable separately (audio left, audio right, and video).

Types of Discs Your TV/DVD will Play

- DVD discs - DVD discs contain high quality picture and sound content.
- Audio discs - Audio CDs contain musical or sound content only.

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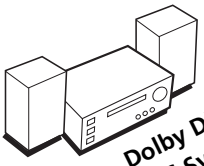
Choose Your Connection

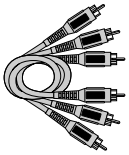
There are several ways to connect your TV/DVD. Please use the following chart to determine which connection is best for you. Proceed to the appropriate page and connect your TV/DVD.

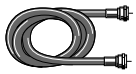
Components	Connection Title	Cables Needed	Go to...
TV/DVD	TV/DVD Only	• Coaxial	page 8
TV/DVD VCR	TV/DVD + VCR	• Coaxial • Audio/video	page 9
TV/DVD  Dolby Digital/ DTS System	TV/DVD + Dolby Digital	• Coaxial • Audio/video • Digital audio	pages 10-11

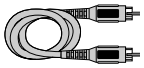
Cables Needed to Connect Components to Your TV/DVD

The pictures below show the cables needed for the connections represented in this book.

Note: Audio/Video cables (A/V cables for short) are usually sold as a bundled set, but the connection pictures in this book show each cable separately for better visibility.


Audio/Video cables


Coaxial cable


Digital Audio Cable

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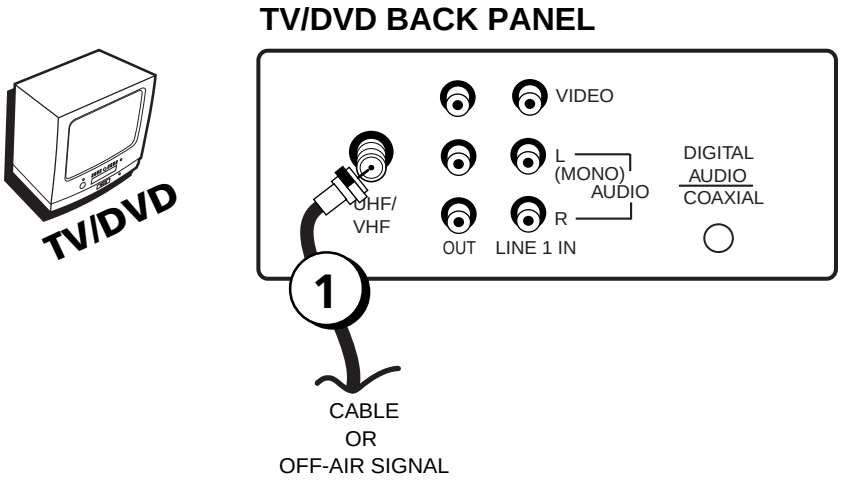

TV/DVD Only

1. Connect the TV/DVD to your cable or antenna

Connect the coaxial cable from your cable or antenna to the UHF/VHF (antenna) jack on the back of your TV/DVD.

Go to page 12

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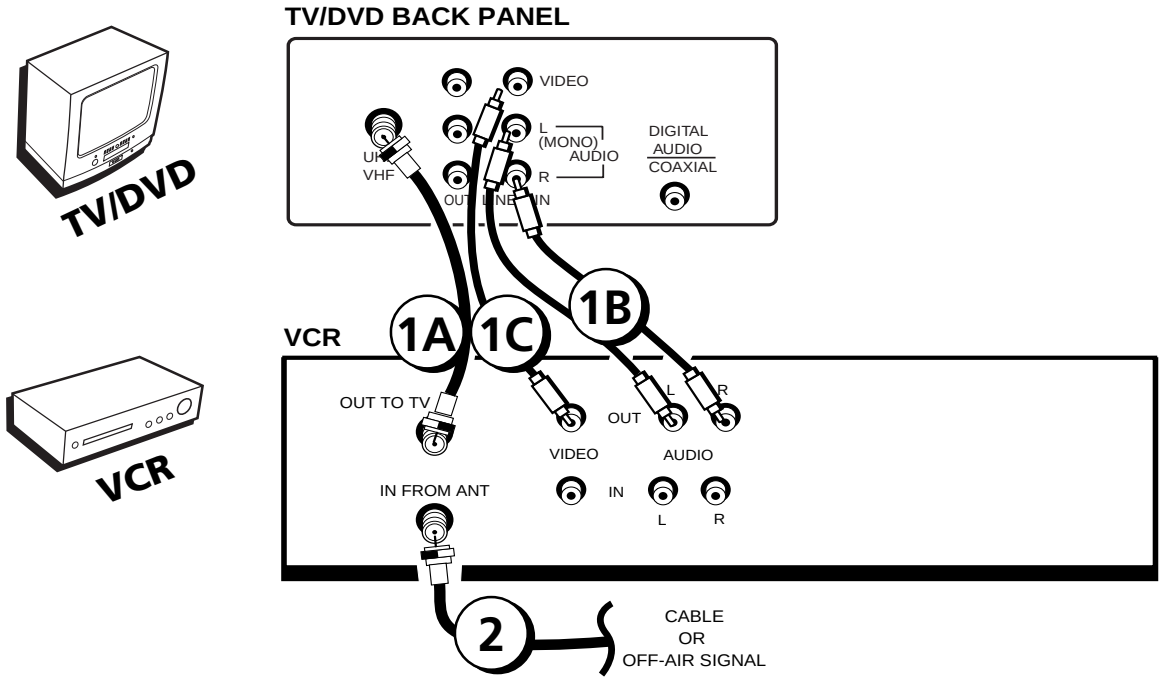

TV/DVD + VCR

1. Connect your TV/DVD to your VCR

A. Connect a coaxial cable to the UHF/VHF (antenna) jack on your TV/DVD and to the Output Jack on your VCR (sometimes labeled OUT TO TV).

B. Connect the audio cables. Connect audio cables (white and red) to the AUDIO IN jacks on the back of the TV/DVD (R and L/MONO) and to the Audio Output Jacks on the VCR (sometimes labeled OUT R and L).

C. Connect the video cable (yellow) to the VIDEO IN jack on the back of the TV/DVD and to the Video Output Jack on the VCR.

2. Connect cable or antenna to your VCR

Connect the coaxial cable from your cable outlet, cable box, or antenna to the Input Jack on your VCR (sometimes labeled IN FROM ANTENNA or IN FROM ANT).

Go to page 12

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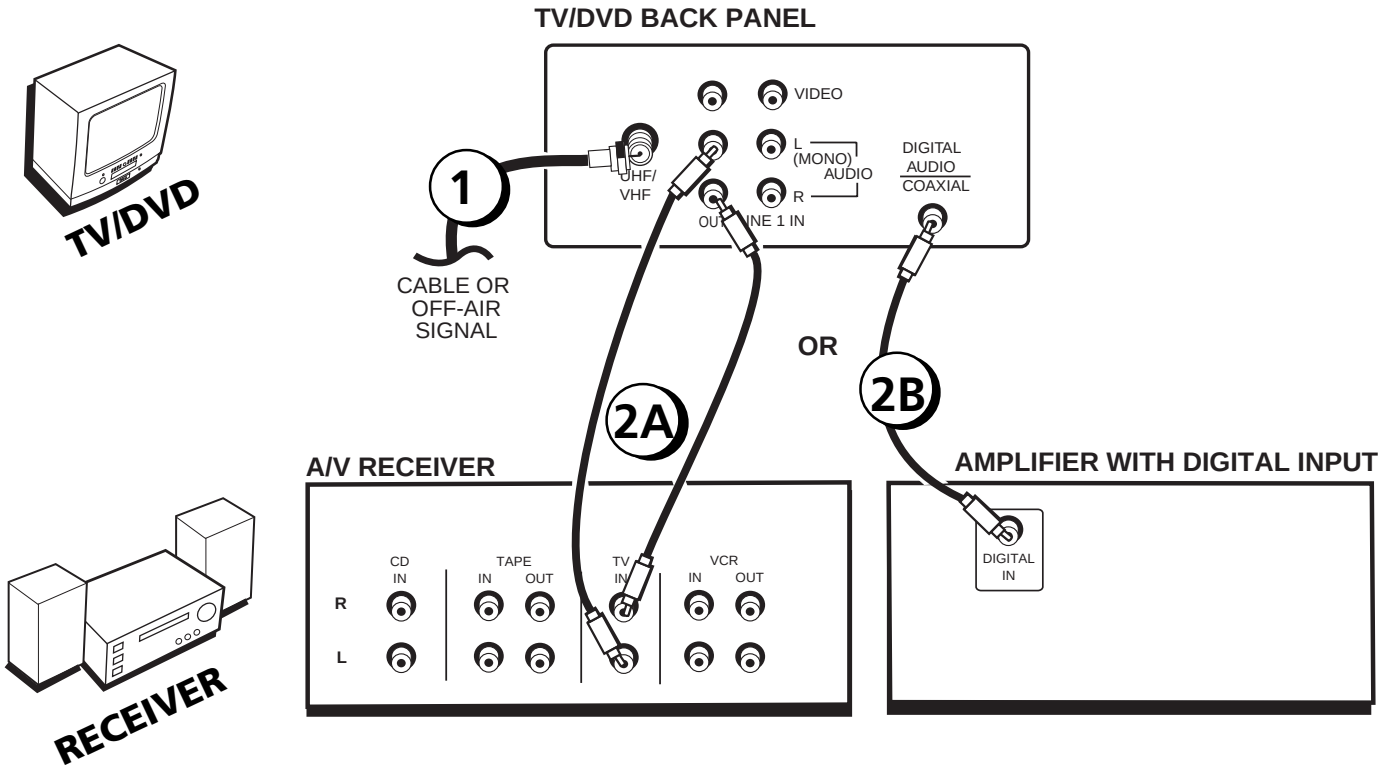

Dolby Digital® and DTS®

Both Dolby Digital and DTS are audio formats used to record 5.1-channel audio signals onto the digital track of film (while the film is being made). Both of these formats provide up to six separate channels: left, right, center, left rear, right rear, and common subwoofer.

The disc will play 5.1-channel sound only if you've connected a DTS or Dolby Digital receiver or decoder and if the original movie the disc was recorded from was encoded in the Dolby Digital or DTS format.

Please Read This Before Using the DIGITAL AUDIO COAXIAL Jack!

This unit's DIGITAL AUDIO COAXIAL jack is designed for a connection to a Dolby Digital or DTS receiver or decoder.

Older digital equipment may not be compatible with the Dolby Digital bitstream. Such a connection can create a high level of noise that may be harmful to your ears, and could damage headphones or speakers.

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TV/DVD + Dolby Digital or Amplifier/Receiver

1. Connect the TV/DVD to your cable or antenna

Connect the coaxial cable from your cable or antenna to the UHF/VHF (antenna) jack on the back of your TV/DVD.

2. Connect a Dolby Digital Receiver or amplifier/receiver to your TV/DVD

A. Connect the audio cables. Connect audio cables (white and red) to the AUDIO OUT jacks on the back of the TV/DVD (R and L) and to the TV IN Jacks on the receiver (sometimes labeled AUDIO IN L and R).

B. Or, connect your digital receiver with a digital cable (not provided) to the DIGITAL AUDIO COAXIAL jack on the TV/DVD to the DIGITAL IN jack on the back of the receiver.

Go to page 12

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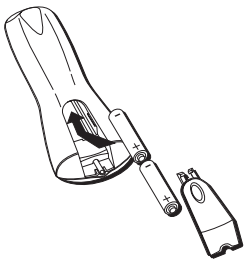
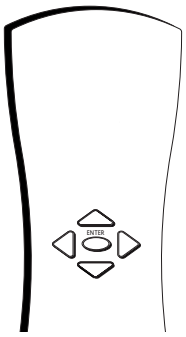
Plug in the TV/DVD

Plug the end of the power cord into the wall outlet. Match the wide blade of the plug with the wide slot in the outlet. Insert the plug completely into the outlet.



Put Batteries in the Remote

1. Remove the battery compartment cover on the remote.
2. Insert new batteries. Match the polarities (+ and -) on the batteries with the diagram on the remote.
3. Put the battery compartment cover back on the remote.



Use the arrow buttons and the ENTER button to move through the menu system.

How to Use the Remote Control to Move Through the Menus

The technical term is "Navigation" – how you move through the on-screen menus. The theory is the same throughout the menu screens: highlight your choice and select it.

To highlight a menu item on the screen, press the arrow buttons on the remote to highlight one of the items listed on the screen. Use the up or down arrow button to move up or down. Use the right or left arrow button to move right or left.

Note: Highlighted means that the menu item stands out from other menu items on the list (appears darker, brighter, or a different color).

Turn on the TV/DVD

Press the ON/OFF button on the remote control or the POWER button on the TV/DVD's front panel.

Note: Pressing the ON/OFF button not only turns on the TV, but puts the remote into TV mode. "TV mode" means that the buttons on the remote control operate the TV's functions.

Initial Setup

The first time you turn on your TV/DVD, you'll want to set a few menu screens so that you get the optimum performance from your TV/DVD. Complete the following steps to set up your TV/DVD.

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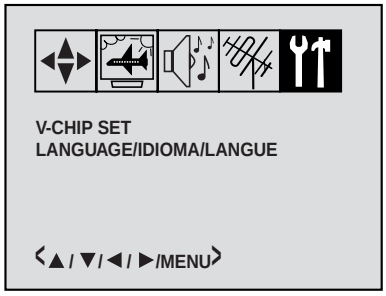
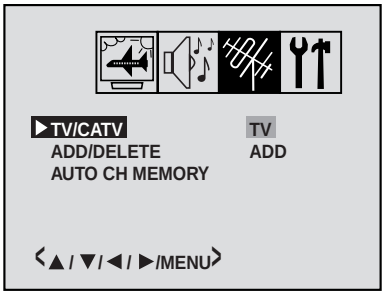
Set the TV's Menu Language

In your TV/DVD unit, you will find there are different menu languages. A menu language exists for the TV part of the unit and another menu language exists for the DVD player of the unit. Also, different languages exist for the menu, subtitle and audio portions of the disc contents. Only the TV and DVD menus are discussed in this section. The language of the on-screen TV's menus is set to *ENGLISH*. To change the TV's menu language:



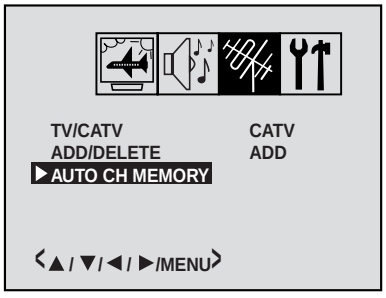
1. Press the SETUP•MENU button to display the TV's menu screen.
2. Press the left or right arrow until the (wrench and hammer) icon is highlighted.
3. Press the down arrow to highlight *LANGUAGE/IDIOMA/LANGUE*.
4. Press left/right arrow to display the languages.
5. Press up/down arrow button to select the desired language: English (*ENGLISH*), Spanish (*ESPANOL*), or French (*FRANCAIS*), then press ENTER.
6. Press SETUP•MENU twice to exit menu.



Set the TV/CATV Signal

The TV/DVD signal is set to the *CATV* (cable-TV) signal when it is shipped from the factory. If you are using an outside (off-air) antenna with your TV/DVD, change the TV signal by following these steps:

1. Press the SETUP•MENU button to display the TV's menu screen.
2. Highlight the (antenna) icon using the left/right arrows.
2. Press the up or down arrow to highlight *TV/CATV*.
3. Press the left or right arrow until *TV* (VHF/UHF) appears.
4. Press SETUP•MENU twice to exit menu.



Complete Auto Channel Search

Now that you have selected the signal, you must set up the channel list for all channels viewable through your antenna or cable TV system. This is sometimes called "auto programming."

1. With the (antenna) icon highlighted, press up or down arrow to highlight *AUTO CH MEMORY*.
2. Press the left or right arrow to begin auto programming.

When the search is complete, the TV/DVD automatically tunes to the first channel in the channel list.

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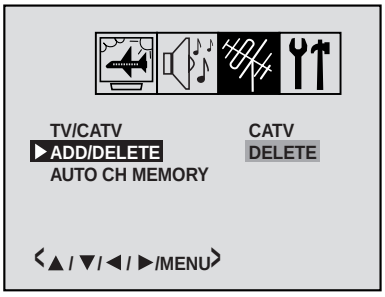
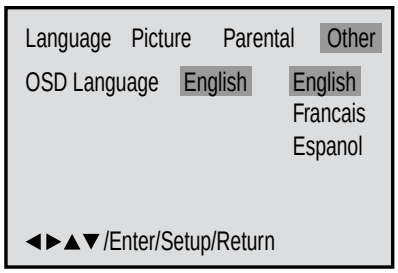


Add or Delete Channels

You might want to add or delete some channels if they're inactive, have weak signals, or you don't want them in your channel list. The channel list is the list of channels that the TV/VCR tunes to when you press the channel up and/or channel down buttons.

Note: Even if you delete a channel, you can still tune to it by pressing the number buttons (direct entry) on the remote control.

1. Select the channel to be deleted or added by using the number buttons or channel up or down buttons.
2. Press the SETUP•MENU button (the TV's menu appears).
3. Press the left or right arrow button until the (antenna) icon is highlighted.
4. Press the up or down arrow to highlight *ADD/DELETE*.
5. Press the left or right arrow to select *DELETE* or *ADD*.
6 Press SETUP•MENU twice to clear the menu from the screen.
7. Repeat steps 1 through 6 for each channel you want to add or delete.



Set DVD's Menu Language

The DVD menu language is set to *English*. If you want the DVD's menu system to appear in Spanish (*Espanol*) or French (*Francais*), follow these steps:

1. Press the DVD→TV button to switch the unit to the DVD mode.

   Note: *Reading* appears on the screen and changes to *No Disc*. If a DVD disc has already been loaded, playback starts automatically.
2. Press the SETUP•MENU to display the DVD menu.
3. Use the right arrow to select *Other*.
4. Press the down arrow to select OSD *Language*.
5. Press the right arrow, then the up/down arrow to select the desired language.
6. Press ENTER and SETUP•MENU to remove the menu from the screen.

   Note: If you press SETUP•MENU while playback of a DVD disc, the TV's menu appears on the screen.

Setting Up Other Features

Only those features that require initial setup are discussed in this chapter.

Other features, such as V-Chip, parental control, picture settings, etc., are explained in the chapters that follow.

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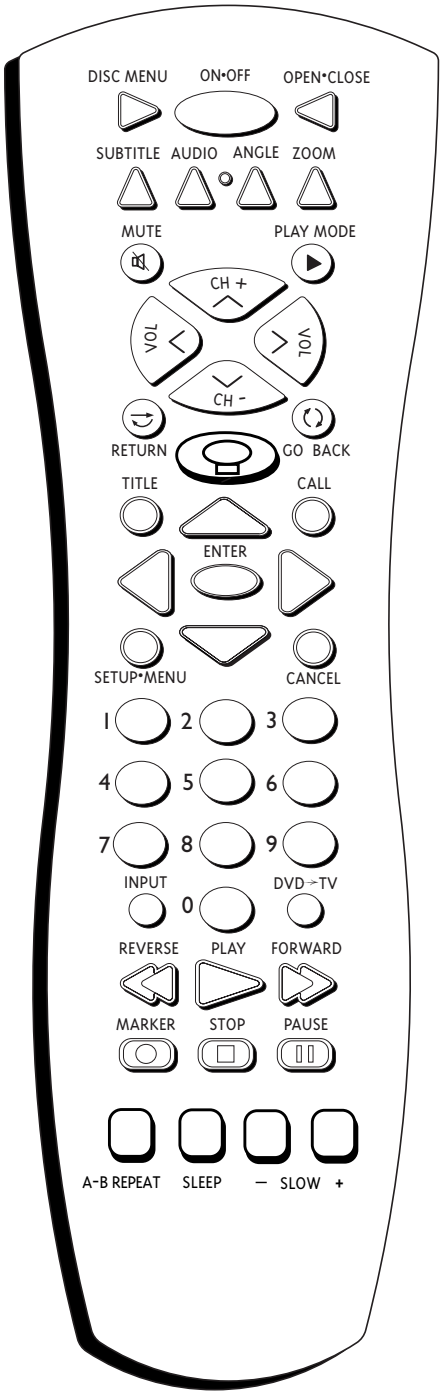

The Buttons on the Remote Control

Your backlit remote has a light button (⊜) that glows in the dark. Press this button to light the channel up and channel down (CH +/–) and volume up and down (VOL </>) buttons. If you don't press any buttons for several seconds, the light turns off to conserve battery power.

0-9 (Number buttons) In TV mode, used for direct channel access or entries to TV's menu system. The TV automatically tunes to the channel when you enter one, two-digits or three-digits. In DVD mode, used for entries in DVD's menu system. If an audio disc is playing, you can directly access a specific track.

A-B REPEAT In DVD mode, when playing a disc, press A•B REPEAT to repeat material between two selected points.

Arrow buttons (up, down, left, right) Press the arrow buttons to move through the on-screen menu systems.

ANGLE In DVD mode, press ANGLE to change angles of a movie during playback.

AUDIO In TV mode, press AUDIO to switch between *SEL.MONO*, *SEL.MONO+SAP*, *SEL.STEREO*, or *SEL.SAP* option. These audio options are only available if the signal is being broadcast. In DVD mode, press AUDIO repeatedly to change the language when you play a multilingual disc.

CANCEL In TV or DVD mode, cancels a menu setting to its original state.

CALL In TV or DVD mode, displays the current on-screen displays.

CH+/CH- (up and down) buttons In TV mode, scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels. In DVD mode during disc playback, advances through the disc chapters or tracks.

DISC MENU In DVD mode, displays the disc's menu if available.

DVD→TV Switches between DVD and TV modes.

ENTER In TV or DVD mode, selects the menu item that is highlighted.

FORWARD (►►) In DVD mode, advances the disc forward.

GO BACK In TV mode, returns you to the previous channel.

INPUT In TV mode, press INPUT to toggle through the available Video Input channels: *LINE1* (rear jacks), *LINE2* (front jacks) and the current channel.

L.E.D. (light-emitting diode) The little light on the remote lights when you press a valid button.

MARKER In DVD mode, lets you select points on the disc that you might want to watch or listen to again (sometimes referred to as bookmarks).

MUTE In TV or DVD mode, lowers the volume to its minimum level (MUTING appears).Press again to restore volume.

ON•OFF Turns the TV/DVD on and off in either TV or DVD mode.

OPEN•CLOSE (⏏) In DVD mode, press OPEN•CLOSE to open and close the DVD tray that holds the discs. In TV mode, switches the unit to DVD mode and opens the tray. Press again to close the tray.

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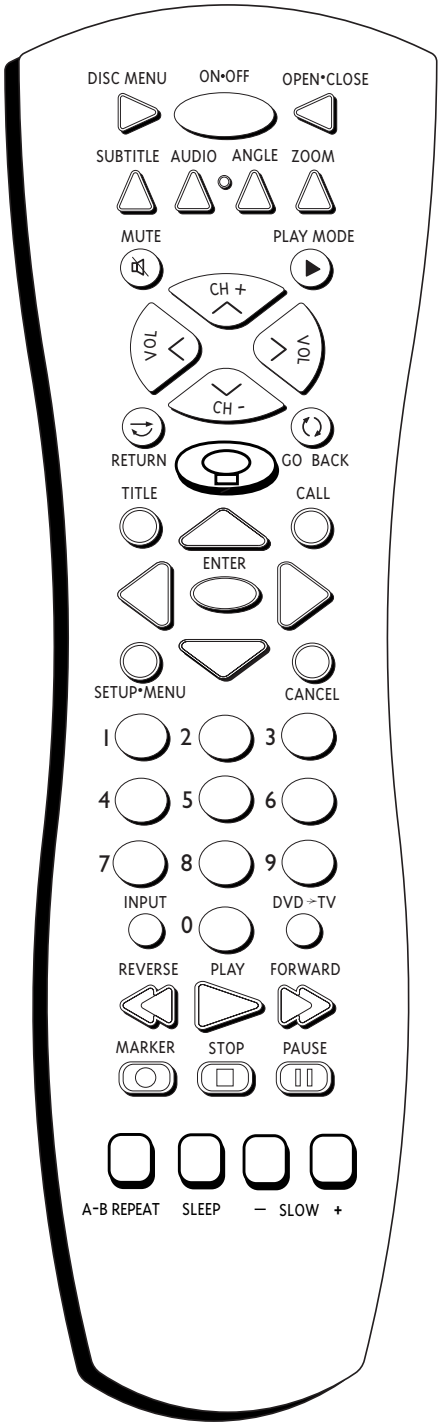

PAUSE (⏸) In DVD mode, press PAUSE when the disc is playing to pause. While in the pause mode, each time you press PAUSE the disc advances one frame at a time.

PLAY (▶) In DVD mode, plays the disc. In TV mode, switches to DVD mode.

PLAY MODE In DVD mode, brings up the *Repeat* function.

RETURN In DVD mode, clears the DVD menus from the screen.

REVERSE (◀◀) In DVD mode, press REVERSE to go backwards on a disc.

SETUP•MENU In TV mode, displays the TV's menu system. In DVD mode, displays the DVD's menu system when a disc is not playing (stop mode). If you press SETUP•MENU while playing a disc, the TV's menu system appears.

SLEEP In TV or DVD mode, sets the TV or DVD to turn off within a preset amount of time (up to 120 minutes).

SLOW-/+ (▶\|/\|◀) In DVD mode, slows the speed of the DVD disc during playback.

STOP (■) In DVD mode, stops playing the disc.

SUBTITLE In DVD mode, press SUBTITLE to turn subtitle features on and off when playing a disc recorded with subtitles. In TV mode, selects closed captioning option. Also, turns closed captioning on or off and toggles through the closed captioning options. Go to page 33 for details.

TITLE In DVD mode, brings up the title menu of the disc, if available.

VOL up and down buttons (VOLUME 32) Decrease or increase the TV/DVD's volume.

ZOOM In DVD mode, lets you zoom in on the frame image. Positions of the frame image can be switched by using the arrow buttons.

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Playing DVDs/Audio CDs

Chapter Overview:

- Regional Coding
- Using Different Menus
- Loading and Playing Discs
- Using a Disc Menu
- Playback Features
- Basic Playback Features Using the Remote or Front Panel

Changing Entertainment. Again.

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Regional Coding

Both the TV/DVD unit and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes don't match, the disc won't play. This unit's code is region 1. Other region codes cannot be played in this TV/DVD unit.

Using Different Menus

Each disc is programmed with different features. There are two separate menu paths that you can use to access features:

- **The Disc contents menu** – The disc contents menu is part of each disc and is separate from the DVD's menu system. The contents of each disc menu vary according to how the disc was authored and what features are included. The disc menu is turned on and off with the DISC MENU button on the remote.
- **The DVD's menu system** – The DVD's menu system is accessed only when a DVD is in the stop mode. Press SETUP•MENU to bring up the DVD's menu.

Remember that a feature will only work if the disc was programmed with that feature. For example, if you choose subtitles, the subtitles only appear if the disc was created with subtitles.

Loading and Playing Discs

Your TV/DVD unit plays DVD discs or Audio discs. Before you load a disc, make sure that it is compatible with the player. The following discs CANNOT be used with this player:

- Laserdiscs
- CD-I, CD-ROM (computer-only discs), CD-RW, DVD-ROM, DVD-RAM, DVD-Audio, CD-R, CDV, CD-G, Video CD or Photo CD (do not play to prevent accidental erasure of prerecorded material)
- Discs recorded using other broadcast standards (i.e. PAL or SECAM)

To Load and Play a Disc

Pressing the OPEN•CLOSE button on the remote turns on the TV/DVD, puts the unit in the DVD mode, and opens the tray. To play a disc:

This is an example of a one-sided disc.

1. Place a disc gently into the tray with the disc's label facing up (double-sided discs have content on both sides, so you can place either side up).
2. Press OPEN•CLOSE to close the tray.

   ⏏ changes to *Reading* and playback begins.

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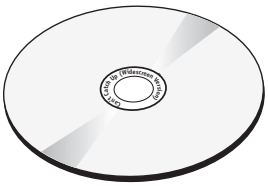


This is an example of a 2-sided disc. The title is in the center.

The TV/DVD reads the disc's table of contents and then one of three things happens depending on how the disc was programmed:

- The disc starts playing.
- The disc menu appears on the screen. One of the options will start disc play. Highlight that option and press ENTER on the remote.
- The DVD's main menu appears on the screen. Some discs begin playback automatically; others you may have to press PLAY.

3. Press STOP to end playback.

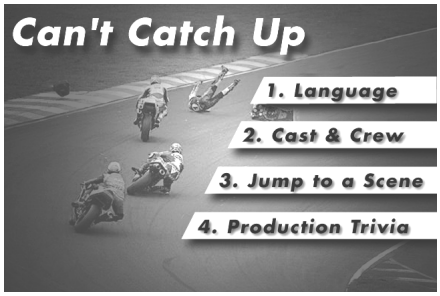
Note: Your TV/DVD is capable of remembering the stopping point if the disc was programmed with this feature. Press STOP (⚑ appears). To resume playback, press PLAY (the disc starts playing where you left off unless the disc is removed, the unit is unplugged, or you pressed the STOP button twice). When you press STOP a second time, ■ appears on the screen and the unit clears the stopped point.

Note: If a non-compatible disc is loaded, "Incorrect Disc," "Region Code Errror," or Parental Error," appears on the screen.

Using a Disc Menu

A disc is capable of having a menu that is separate from the DVD's menu system and TV's menu system. The disc menu might only contain a list of the titles and chapters, or it may allow you to change features such as language and playback settings.

Although the content and operation of disc menus vary from disc to disc, the following example will give you an idea of what to expect.



This is an example of a disc menu. The menus on discs vary because the disc menu is created by the disc's author.

1. While the disc is playing, press the DISC MENU button on the remote (the disc menu appears).

Tip

Many discs skip the disc menu and start playing automatically. To access the disc menu when you're playing a disc, press DISC MENU on the remote.

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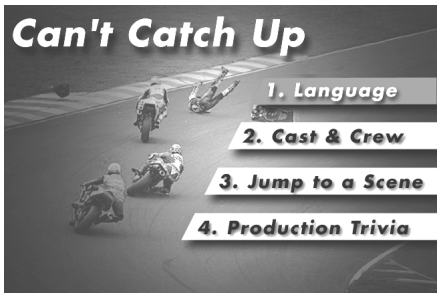


2. Press the up/down arrow buttons to highlight the section of the disc menu you want to choose, and press ENTER on the remote. In the example on the left, *Language* has been selected.

In this example, *English* is highlighted. Press ENTER on the remote to play the disc with English dialog.

3. Press the up/down arrows to select a language, and press ENTER on the remote.
4. Press DISC MENU on the remote to resume playback.

Note: Any settings you change on the disc menu only override the default settings in the DVD's menu system temporarily. Default settings are what you set up in the DVD's menu system. To change the default settings, see Chapter 4.

Playback Features

Some playback operations of DVDs and CDs may be intentionally fixed by software producers. Since this unit plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Refer to the instructions that come with the DVDs for information.

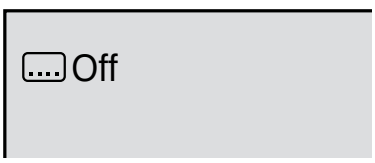
Selecting a Title

Some discs contain more than one title. For example, there might be four movies on one disc (each movie might be considered a title). Each title is divided into chapters. To select a title:

1. While the disc is playing, press TITLE on the remote (the display appears).
2. Use the up/down or left/right arrows to select the Title.
3. Press ENTER or PLAY.

Notes: Some discs only have one title.

Some discs might not work in the above operation.



Turning Subtitles On and Off

By default, subtitles are *OFF*. To turn subtitles *ON*, press SUBTITLE. If your disc is encoded with other languages, press SUBTITLE repeatedly to change. The on-screen disappears after a few seconds.

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Selecting a Chapter or Track

Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). To select a chapter or track during disc playback, following the steps:

1. Press the CALL button (the information display appears).
2. Press CH + to advance to the next chapter (or track) or CH – to go to the preceding chapter (or track). The chapter number changes in the information display.

   Note: The Chapter or Track feature won't work if the disc isn't formatted with separate chapters.

Using the Repeat Feature

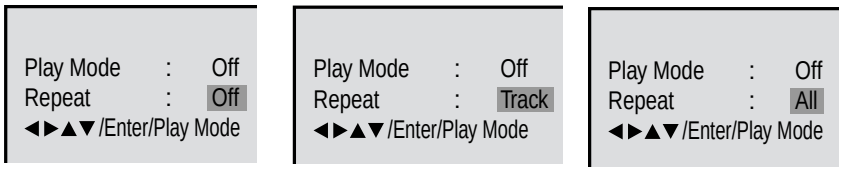
The default mode for the Repeat feature is *Off*. There are two Repeat options:

- Play Mode button enables you to repeat the Title or Chapter of a DVD that is playing. If you are playing an audio CD, it enables you to repeat a track or all of the tracks.
- A•B – Set the beginning (point A) and the end (point B) to make this part of the disc play repeatedly.

Play Mode Button

1. While a disc is playing, press PLAY MODE on the remote (the *Repeat* display appears).
2. Press the left/right arrow to scroll through the Repeat options (*Off, Chapter, Title* for DVD and *Off, Track, All* for Audio CD).
3. Press PLAY MODE (the selected repeat option will loop repeatedly until you turn Repeat off). Repeat is turned off by completing steps 1 through 2 above, and selecting the *Off* option.

The PLAY MODE button toggles through these option for a DVD.



The PLAY MODE button toggles through these options for an Audio CD.

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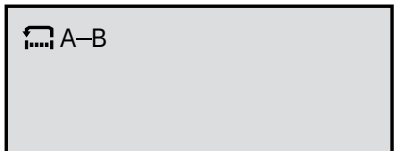


These displays appear when the A-B Repeat button is used to repeat a segment on a disc.

A-B Repeat

A-B Repeat lets you define a specific segment on the disc that you want to repeat. For example, you might like to watch the dogfight in the movie *Top Gun*. To watch this scene over and over:

1. Find the spot on the disc that is a few seconds **before** the beginning of the scene you want to repeat.
2. At the beginning of the scene, press A-B REPEAT to set the A point.
3. When you get to the part of the disc that you want to be the end of the repeated segment (the B point), press A-B REPEAT. The segment will repeat until you turn Repeat off.

   Notes: The repeat feature does not work with some discs.

   Subtitles near point A or B might not appear.

   Angle feature does not work during this feature.

How to Cancel Repeat

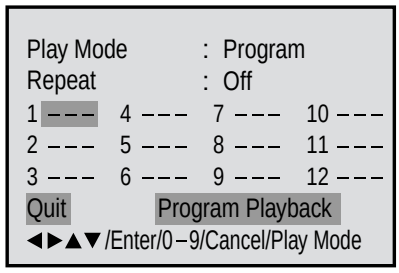
There are two ways to cancel Repeat:

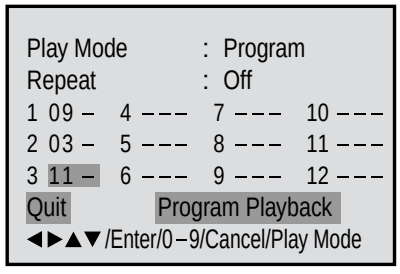
- Press A-B REPEAT until Off appears on the screen
- Eject the disc.

Program/Random Playback for Audio CDs

This playback feature is used for audio CDs only. You can arrange the order of tracks on the disc using *Program Playback* or *Random Playback*

To use Program Playback:





1. Insert an audio disc and press PLAY MODE when the disc is stopped.
2. Press the left or right arrow to select the *Program* option.
3. Press the down/left/right arrow to select the programming position. Use the numbered buttons (0-9) to enter the Track numbers. Repeat this step to enter other programs.

   Note: You can only enter the total number of tracks on the disc. If you try to enter a track higher than the number of tracks, the program will not accept it.
4. Press the down arrow to highlight *Program Playback* and press ENTER or PLAY on the remote.

   Notes: *Program Playback* appears on the screen and the programs play back in the order you selected.

   Don't forget to place the audio disc in the stop mode if you want to change the Program Playback lineup.
5. To cancel *Program Playback*, open the disc tray or turn off the TV/DVD.

   Note: To return to normal playback, select *PLAYBACK: OFF*.

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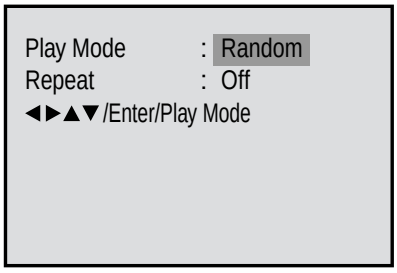
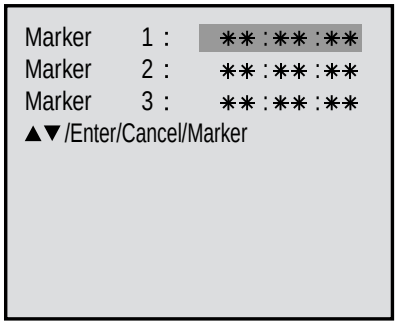


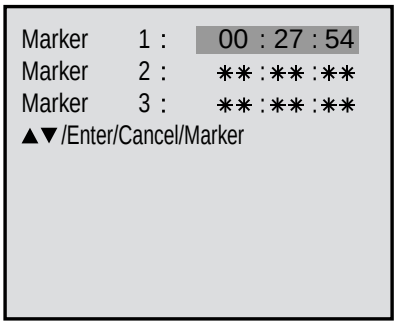
To use Random Playback:

1. Press PLAY MODE when disc is stopped or playing.
2. Use the right arrow to select the *Random* option.
3. Press PLAY to begin *Random Playback*. (*Random Playback* disappears from the screen after a few seconds.)
4. To cancel *Random Playback*, open the disc tray or repeat steps 1-2 and select the *Off* option.

Using Bookmarks

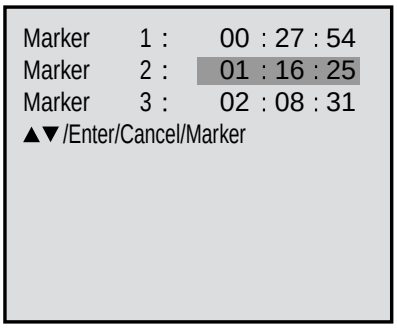
The bookmark feature lets you mark a point on the disc that you can go to quickly. You can store up to 3 markers per disc. When you turn the TV/DVD off or remove the disc, bookmarks are cleared.





Storing a Bookmark

1. While a disc is playing, press MARKER on the remote (the *Marker* screen appears).
2. Use the down arrow to highlight a blank *Marker*.
3. When you reach the point on the disc you want to mark, press ENTER.
4. Repeats steps 1 and 2 to repeat this procedure for the other two markers.



Using a Bookmark

1. While you're playing a disc or if the disc is stopped, press MARKER on the remote (the *Marker* screen appears.)
2. Use the up/down arrows to highlight the *Marker* you want to activate.
3. Press ENTER to begin play of the bookmark.
4. To make the *Marker* menu disappear from the screen, press MARKER on the remote.

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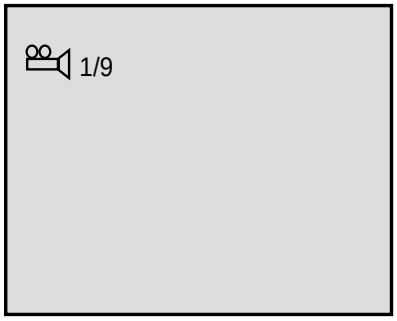
Clearing a Bookmark

The bookmarks are cleared each time a disc is removed from the disc tray or when the power is turned off. If you want to clear a bookmark while the disc is playing:

1. Press MARKER on the remote to bring up the Marker menu.
2. Press down arrow to select the bookmark you want to clear and press CANCEL.

Note: If all 3 bookmarks are in use, you can only mark a new point by clearing an existing bookmark.



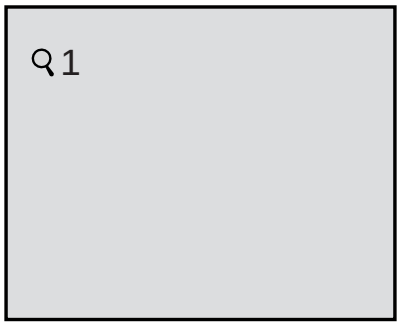
The camera angle icon is displayed when the camera angle feature is accessed.

Changing the Camera Angle

Some discs contain multiple angles of a particular scene or sequence. If the disc only has one angle, this feature won't work. To change the camera angle while a DVD is playing:

1. Press ANGLE on the remote. The current angle appears.
2. Press ANGLE repeatedly until the desired angle is selected, if available on the disc.

Note: The on-screen display disappears after a few seconds.



Q1, Q2, or Q3 appears when the ZOOM button is pressed.

Using the ZOOM Feature

You are allowed to zoom in on a frame image and switch positions of the frame.

1. Press ZOOM during playback. The central part of the image will be zoomed in. Each press of ZOOM will change the ZOOM Q1 (x 1.3), Q2 (x 1.5) and Q3 (x 2.0)
2. Press the up/down or left/right arrows to view a different part of the frame. You can move the frame from the center position to up, down, left or right direction.
3. Press ZOOM repeatedly to return to a 1:1 view (Q Off).

Note: You can select pause, slow or search playback in the zoom mode. However, you can only zoom in during the slow forward, but not during the slow reverse or search playback.

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Basic Playback Features Using the Remote or Front Panel

You can use some buttons on the remote control or front panel to activate some disc playback features. Playback features aren't usually available during the opening credits of a movie.

Fast Motion Playback

To scan quickly through the disc when you're playing it, use REVERSE and FORWARD buttons.

1. Press the REVERSE or FORWARD button on the remote when you're playing a disc.
2. Press the button again to scan at a faster speed. Each time you press the button, the scanning speed increases or decreases (x2, x4, x8, x20).
3. Press the PLAY button at any time to resume normal playback.

Note: You won't hear the sound (audio) on DVD discs when during fast motion. You will hear the sound on an audio disc.

Freeze Frame and Frame Advance

1. Press PAUSE when a disc is playing to freeze the picture.
2. Each time you press the PAUSE button, the picture advances one frame.
3. Press PLAY to resume normal playback.

Slow Motion Playback

While the disc is in freeze frame mode or normal playback mode, you can use slow motion playback.

1. While the disc is playing, press SLOW + to advance or press SLOW- to go backwards.
2. Press the button again to increase or decrease the slow motion playback speed (x1/2, x1/4, x1/6, x1/7).
3. Press PLAY to resume normal playback.

Caution: The unit is capable of holding a still video or on-screen display image on your TV screen indefinitely. If you leave the image displayed on your TV for an extended period of time, you risk permanent damage to your television screen. Projection televisions are very susceptible.

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Using the TV's Menu System and Features

Chapter Overview:

- How to Use Your TV's Menu System
- Picture Quality Menu
- Audio Menu
- Channel Menu
- Setup Menu
- Using the Sleep Feature
- Using the Audio Features
- Using Closed Captioning

Changing Entertainment. Again.

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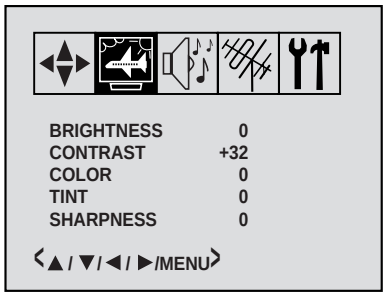
How to Use Your TV's Menu System

Use the SETUP•MENU and arrow buttons on the remote to access and navigate through the TV's menu system and make changes to the settings. To highlight or point to an item on the screen, press the arrow buttons on the remote to highlight an area. Also, the buttons that are used with the menu appear at the bottom of the menu.



Accessing Menus

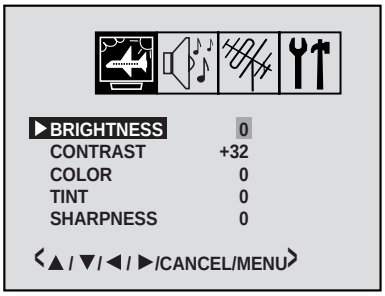
Press SETUP•MENU on the remote to bring up the first menu in the TV's menu system. Pressing the arrow buttons will highlight an area, change a setting or take you to a sub-menu that enables you to make a change.

Exiting from a menu

- Press SETUP•MENU on the remote.

Tip

Feel free to explore the menu system. If you're ever unsure where you are in the menu system, or you're just plain tired of exploring, press SETUP•MENU repeatedly to remove the menus from the screen and start over again.



Picture Quality Menu

The picture quality menu lets you adjust the way the picture looks.

Brightness Adjusts the brightness of the picture.

Contrast Adjusts the difference between the light and dark areas of the picture.

Note: The Contrast default setting is set to maximum (+32) at the factory.

Color Adjusts the richness of the color.

Tint Adjusts the balance between the red and green levels.

Sharpness Adjusts the crispness of the edges in the picture.

Pressing CANCEL while making picture adjustments returns all adjustments to the factory preset levels.

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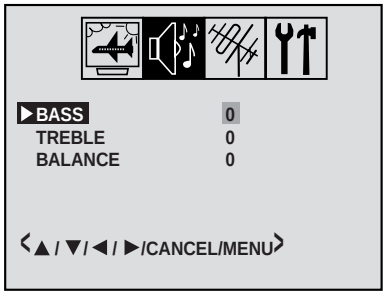


Audio Menu

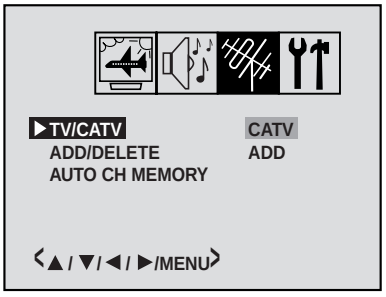
The audio settings (*BASS, TREBLE, BALANCE*) are preset at the factory but you can adjust them individually if you want.

BASS Adjusts the low frequency audio.

TREBLE Adjusts the high frequency audio.

BALANCE Adjusts the left and right balance of sound from the speakers. When adjusting the balance, sit in your normal viewing seat.

Pressing CANCEL while making sound adjustments returns all adjustments to the factory preset levels.



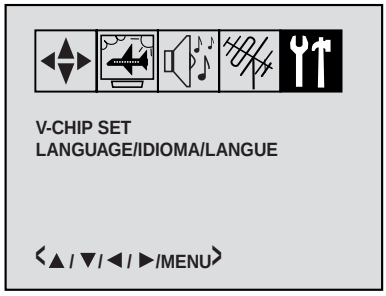
Channel Menu

You can change the TV/DVD signal, add/delete channels from the channel list and auto program the TV/DVD to include only those channels that are receiving a signal. The TV/DVD is shipped from the factory in the CATV mode.

TV/CATV Informs the TV which antenna system (cable-TV or off-air) is being used to receive the signal.

ADD/DELETE Allows you to add or delete channels from the channel list. You can still access a channel by direct entry.

AUTO CH MEMORY Enables the TV to search for all channels that are viewable through your cable TV connection or off-air antenna, whichever is connected.



Setup Menu

The setup menu enables you to set up the V-Chip feature and the language for the TV's menu system.

V-CHIP SET Feature

The *V-CHIP SET* menu allows you to program your TV so that children cannot see certain programs. To use *V-CHIP SET*, you must enter a password which is explained later in this section.

By default, this feature is turned "off." If you don't want to use this feature, you can just ignore it.

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How V-Chip Works

When turned "on," the V-Chip software reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)].

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of "Not Rated," and programs that are considered "unrated" because no code has been sent by the broadcaster. The TV age-based ratings, movie ratings and content themes you can block are listed in the following tables.

Age-Based Rating	TV Ratings
TV-MA	**Mature Audience Only**. Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).
TV-14	**Parents Strongly Cautioned**. Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).
TV-PG	**Parental Guidance Suggested**. Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).
TV-G	**General Audience**. Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).
TV-Y7	**Directed to Children 7 years and older**. Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.
TV-Y	**All Children**. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

Movie Ratings	
G	*All ages*
PG	*Parents guidance*
PG-13	*Parental guidance less than 13 year of age*
R	*Under 17 years old*
NC-17	*17 years old and older*
X	*Adult only*

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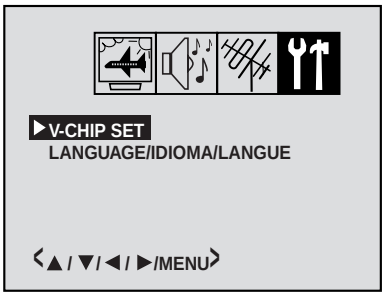
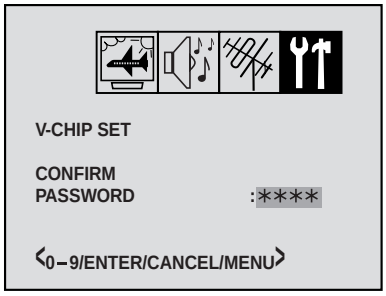




Set the V-Chip Password

In order to use the V-Chip feature, you must enter a password. But, should you forget your password, you cannot change the V-Chip settings. To avoid this, write the password down and keep it in a safe place.

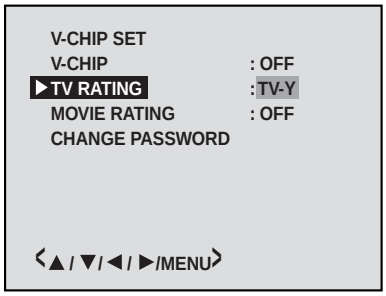
To set your V-Chip *PASSWORD*:

1. Press SETUP•MENU.
2. Press left/right arrow to select the Setup menu.
3. Press the up/down arrow to highlight *V-CHIP SET* and left/right arrow to select the menu.
4. Enter the a 4-digit password using the number buttons (✻ appears instead of the number), and press ENTER.

   Notes: Don't forget to write it down and keep in a safe place.

   If you forget your password, turn on the TV. Reduce the volume to a minium level. Press and hold the VOLUME down button on the front of the TV/DVD and press the 0 button on the remote control simultaneously. When the V-CHIP SET menu appears, enter a new password.
5. Enter the same password again and press ENTER.

Now the V-Chip setting menu appears.

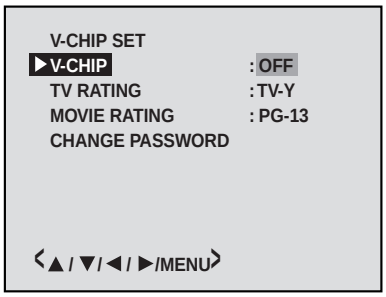


Set the V-Chip TV Rating and Movie Rating

1. In the *V-CHIP SET* menu, press the down arrow to highlight *TV RATING*.
2. Press the left/right arrow repeatedly to select the setting (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, TV-MA).

   Note: To determine which rating you would prefer, an explanation of each rating can be found in the Movie Rating table preceding this information.
3. Press the down arrow to select MOVIE RATING.
4. Press the left/right arrow repeatedly to select the setting (G, PG, PG-13, R, NC-17, X), then press the up/down arrow to scroll through the movie ratings.

   Note: To determine which rating you would prefer, an explanation of each rating can be found in the TV Rating table preceding this information.



Turn On V-Chip

1. In the *V-CHIP SET* menu, press the up arrow to select *V-CHIP*.
2. Press the left/right arrow to display the *ON* setting. Your *TV* and *MOVIE RATINGS* are set into memory.
3. Press SETUP•MENU repeatedly to exit the menu.

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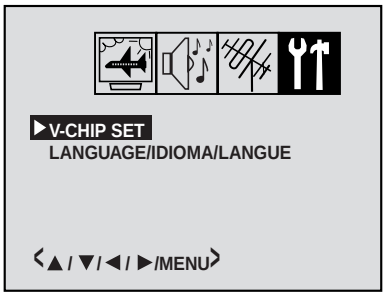
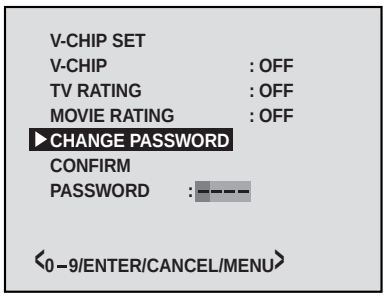


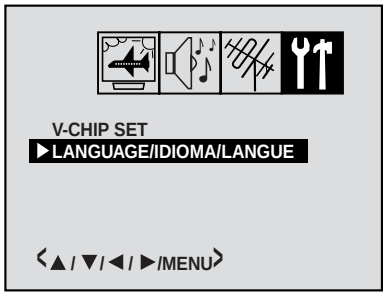


Change V-Chip Password

1. Press SETUP•MENU.
2. Press left/right arrow to select the (setup menu).
3. Press the down arrow to highlight *V-CHIP SET* and left/right arrow to enter the menu.
4. Enter the current password using the number buttons (direct entry) and press ENTER.
5. Use the up/down arrow to select *CHANGE PASSWORD* and press the left/right arrow.
6. Enter the new password using the number buttons and press ENTER.

   Notes: Don't forget to write it down and keep in a safe place.

   If you forget your password, turn on the TV. Reduce the volume to a minium level. Press and hold the VOLUME down button on the front of the TV/DVD and press the 0 button on the remote control simultaneously. When the V-CHIP SET menu appears, enter a new password.
7. Enter the password again for confirmation and press ENTER.
8. Press SETUP•MENU repeatedly to exit the menu.

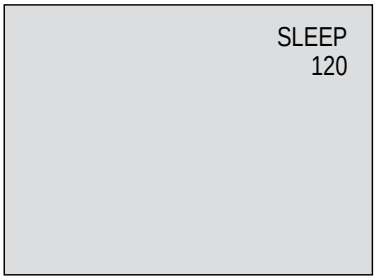


Set the TV's Menu Language

You can choose from three different languases: English (*ENGLISH*), French (*FRANCAIS*), and Spanish (*ESPANGO*L) for on-screen TV displays. The default language is English.

To change the TV's menu language:

1. Press the SETUP•MENU button to bring up the TV's menu screen.
2. Press the left/right arrow until the (setup menu) with the language appears.
3. Press the down arrow to highlight *LANGUAGE/IDIOMA/LANGUE*.
4. Press left/right arrow to display the languages.
5. Press up/down arrow button to select the desired language: English (*ENGLISH*), Spanish (*ESPANOL*), or French (*FRANCAIS*), then press ENTER.



Using the Sleep Feature

You can automatically set your TV/DVD to turn off after a specific time when you drift off to sleep in front of the television. To set the TV/DVD to turn off after a preset amount of time, press SLEEP repeatedly until the amount of time (120 to 10 minutes) you want appears on the screen.

To confirm the sleep timer setting, press SLEEP and the remaining time will be displayed for a few seconds.

To cancel the sleep timer, press SLEEP repeatedly until the display turns to 0.

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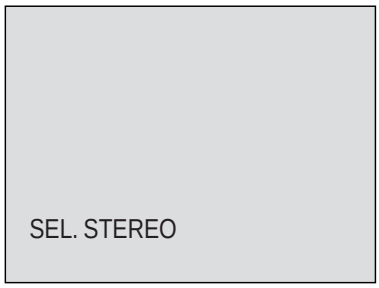
Using the Audio Features

Your TV/DVD is equipped with a feature known as multi-channel TV sound. MTS broadcasts greatly enhance TV viewing by bringing you programs with high fidelity stereo sound. MTS also provides an extra channel called the Separate Audio Program (SAP) which broadcasters can use to transmit a second language for bilingual transmission or for other purposes.

Listening to the Audio

You can select the desired sound by pressing the AUDIO button on the remote control. Repeatedly pressing the AUDIO button scrolls through the available options:



SEL. MONO Plays the sound in mono only; no display appears on the screen. Use this setting when receiving broadcasts with weak stereo signals.

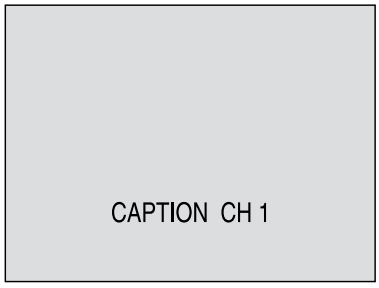
SEL.STEREO Splits the incoming stereo audio signal into left and right channels. Most TV programs and recorded materials have stereo audio. The word *STEREO* appears on the screen when you tune to a program that is broadcast in stereo.

SEL.SAP (Second Audio Program) Plays the program's audio in a second language, if one is available. The word *SAP* appears on the screen when you tune to a program that is broadcast with SAP information. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

SEL. MONO+SAP Plays the program's audio in a second language, if one is available in mono--this option is seldom available.

Using Closed Captioning

Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the screen. Closed-captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. When a program is closed-captioned, *CAPTION CH1* is displayed when you bring up the displays with the SUBTITLE button.



The TV/DVD offers four closed-captioned modes, including two text modes. To select the closed-caption modes, press the SUBTITLE on the remote to switch among CAPTION CH1, CAPTION CH2, TEXT CH1, TEXT CH2. The selected mode remains in effect even if the channel is changed.

Notes: Generally the caption modes are transmitted in languages. CAPTION CH1 is displayed in English and CAPTION CH2 displays the other languages.

The text modes cover nearly half of the picture on the screen to display the closed-captioned text. Most broadcasters use the Channel 1 to display a few lines of captions at a time.

Tip

For television programs broadcasting with Closed Captions, look in your TV guide for the Closed Captions symbol (CC).

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Using the DVD's Menu System

Chapter Overview:

- The DVD's Menu System
- Language Menu
- Picture Menu
- Parental Menu
- Other Menu

Changing Entertainment. Again.

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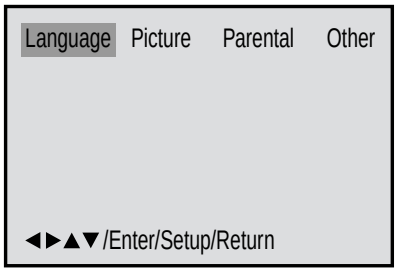
The DVD's Menu System

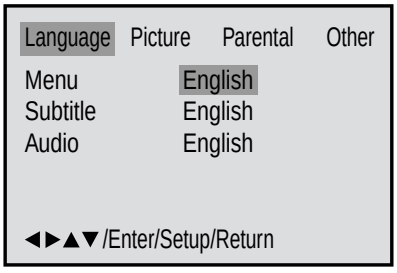
The DVD's menu system is not the same as the disc contents menu. Some discs have their own menu system related to the information of the movie. The disc contents menu system was discussed earlier in Chapter 2.

The DVD's menu system lets you select different features for the disc. A disc must be in the stop mode before you can bring up the DVD's Menu System. Press SETUP•MENU on the remote to bring up the menu system. There are four features in the DVD's menu: Language, Picture, Parental and Other.



Language Menu

The *Language* menu enables you to choose English, French or Spanish as well as different language options for *Menu*, *Subtitle*, and *Audio* of the disc's contents.

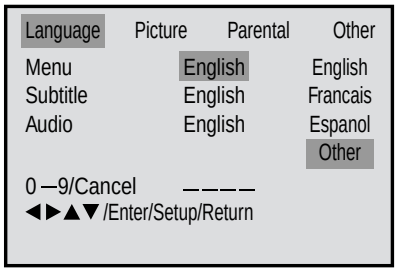


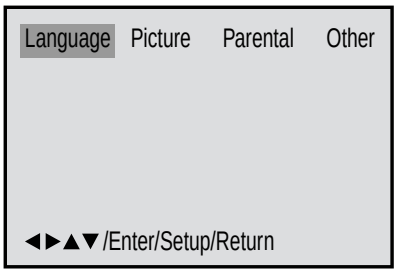
Setting the Disc *Menu* Language

1. Press SETUP•MENU on the remote to bring up the menu with the disc in the stop mode.
2. Highlight *Language*, if not already highlighted.
3. Press the down arrow or ENTER to select *Language*.
4. Use the right arrow, and then down arrow to highlight the language option that you want.

   English, Francais, Espanol: The selected language is the first-priority *Menu* language.

   Other: Other languages can be selected. Just enter the language code using the 0-9 numbers. The Language Codes list is at the end of this chapter.
5. Press ENTER to select the desired language for the disc *Menu* option.
6. Press SETUP•MENU or RETURN to exit menu.





Setting the Subtitle Language

1. Press SETUP•MENU on the remote to display the menu.
2. Highlight *Language* feature, if not already highlighted.
3. Press the down arrow or ENTER to select *Language*.
4. Press the down arrow to select *Subtitle*.
5. Use right arrow and then the down arrow to select the language.

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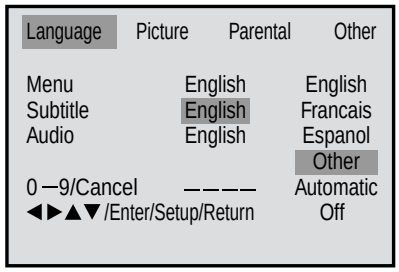


English, Francais, Espanol: The subtitle is displayed with the selected language if it is recorded on the disc.

Other: Other languages can be selected. Just enter the language code using the 0-9 numbers. The Language Codes list is at the end of this chapter.

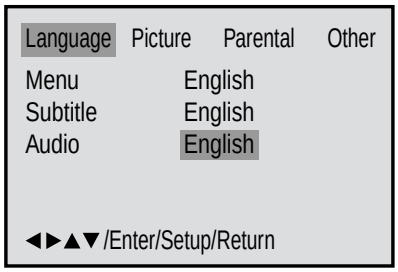
Automatic: The unit automatically selects the same language in the *Audio* option. When the unit selects the same language as the *Audio,* the subtitles do not appear during playback. If the selected language for audio is not recorded on the disc, the subtitle appears.

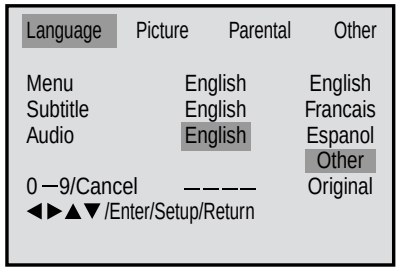
Off: Subtitles do not appear.

Note: If the selected language is not recorded on the disc, the first-priority language is selected.

6. Press ENTER to select the desired language for the *Subtitle* option.
7. Press SETUP•MENU or RETURN to exit menu.

Setting the Language for Audio





1. Press SETUP•MENU on the remote to bring up the menu.
2. Highlight *Language* feature, if not already highlighted.
3. Press the down arrow or ENTER to select *Language*.
4. Press the down arrow to selct *Audio*.
5. Use right arrow and then the down arrow to select the language.

   English, Francais, Espanol: The language you have selected plays if it is recorded on the disc.

   Other: Other languages can be selected. Just enter the language code using the 0-9 numbers. The Language Codes List is at the end of this chapter.

   Original: The unit selects the first priority language of each disc.

   Notes: If the selected language is not recorded on the disc, the original language is heard.

   The same audio sound track language can always be selected by your unit even if you replace the disc or turn the power off.
6. Press ENTER to select the desired language for the *Audio* option.
7. Press SETUP•MENU or RETURN to exit menu.

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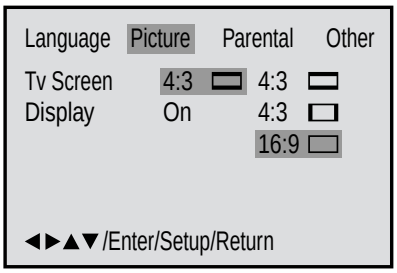
Picture Menu

The *TvScreen* and *Display* options enable you to adjust the screen sizes and decide whether you want to see the on-screen displays of the discs.



Setting the *TvScreen* Option

You can select the aspect ratio for your TV

1. Press SETUP•MENU on the remote to display the menu.
2. Press the right arrow to highlight *Picture*.
3. Press the down arrow or ENTER to select *Picture* and highlight the *TvScreen* option.
4. Press the right arrow, and then up or down arrow to highlight the desired *TvScreen* option.

4:3: Choose this option if you want to see movies in their original aspect ratio (height-to-width ration). This option shows the entire wide screen film frame on a 4 x 3 screen by proportionately reducing the height of the wide screen image. Then its width fits the screen and fills in the top and bottom spaces with black bars.

4:3 Pan Scan: Choose this option if you want the movie to fill the entire screen of your TV/DVD. This shows only the most important parts of the image and excludes the less important parts (the left and right edges).

Note: Most discs produced in a widescreen format can't be cropped in this fashion. This means the black bars appear at the top and the bottom of the screen.

16:9 Wide Screen: Select this mode when connecting to a wide-screen TV. A wide screen picture is displayed full size.

5. Press ENTER to select the option.
6. Press SETUP•MENU or RETURN to exit menu.

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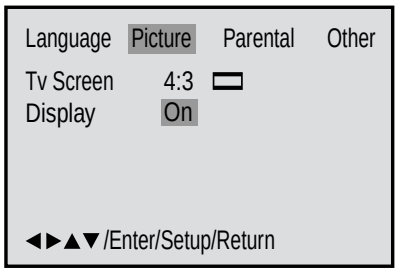


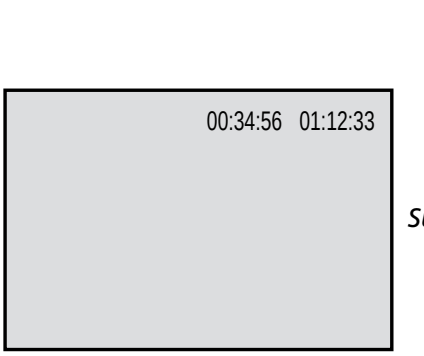
Setting the *Display* Option

The disc on-screen displays can be turned on or off to your preference.

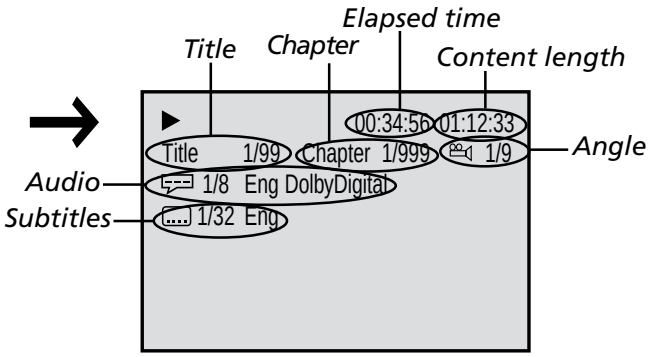
1. Press SETUP•MENU on the remote to display the menu.
2. Press the right arrow to highlight *Picture* feature.
3. Press the down arrow to select *Picture* and highlight the *Display* option.
4. Use left or right arrow to switch *Display On* or *Off*.
5. Press ENTER to select the setting.
6. Press SETUP•MENU or RETURN to exit menu.

Using the On-Screen Info Display

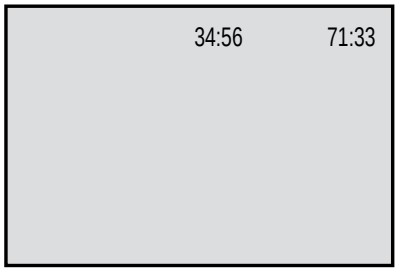
To see the Info Display, press the CALL button on the remote while a disc is playing. Each press of the CALL button changes the display. The Info Display appears as shown:



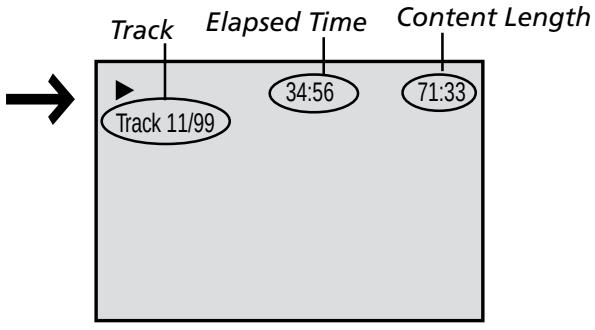
When playing a DVD, this graphic apears the first time you press the CALL button.



When playing a DVD, this graphic apears the sceond time you press the CALL button.



When playing an audio disc, this graphic apears the first time you press the CALL button.



When playing an audio disc, this graphic apears the sceond time you press the CALL button.

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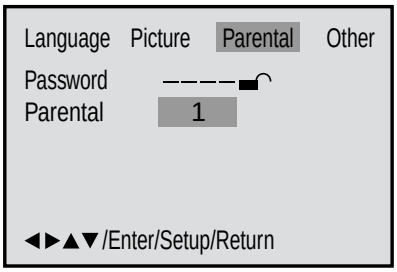
Parental Menu

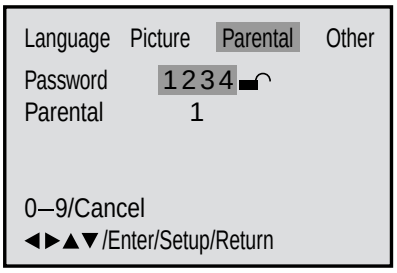
The *Parental* menu lets you control the types of DVDs that your family watches and how your DVD will react to discs that contain movies that are rated (in the U.S.A., the Motion Pictures Association of America rates movies as G, PG, PG-13, etc.). In order for the Parental feature to work, the disc must be encoded with rating information.

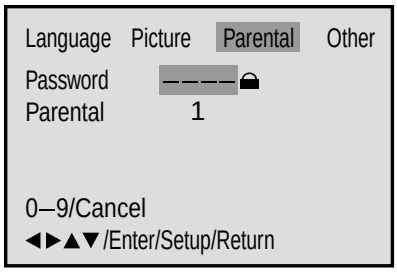
You decide which ratings require a password and which ones don't. The system ranks the ratings 1 through 8 in order to accommodate different countries' ratings systems. Rating 1 is considered a movie title with the most offensive material and rating 8 the least offensive.

Setting the Parental Control

In this section, you will be setting the rating level as well as the password.







1. Press SETUP•MENU on the remote to bring up the menu.
2. Press the right arrow to highlight *Parental*.
3. Press the down arrow until the *Parental* option is highlighted.
4. Press left or right arrow or ENTER to enter the rating (1 - 8).

   Notes: Rating 1 is considered most offensive and DVD software for adults cannot be played. Rating 8 is least offensive and all DVD software can be played.

   If you enter a wrong number, press CANCEL.
5. Press the up arrow to highlight *Password*.
6. Enter your password using the number buttons (0-9) and press ENTER (the password disappears and padlock icon is locked).

   Notes: If you enter a wrong number, press cancel.

   The rating level is locked and cannot be changed unless you enter the correct password.

   If you forget your password:

   A. Press OPEN/CLOSE to open the disc tray.
   B. Remove the disc.
   C. Press OPEN/CLOSE again to close the tray. "NO DISC" appears on the TV screen.
   D. While holding STOP down on the TV/DVD, press 7 on the remote control. "Iniitialize" appears on the TV screen.
   E. Enter a new password again.
7. Press SETUP•MENU or RETURN to exit the menu.

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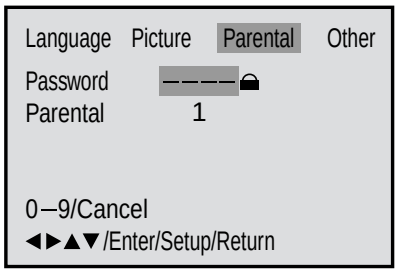
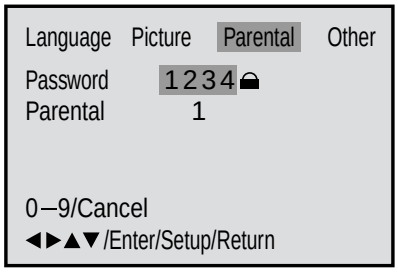
Changing the Parental Control Rating

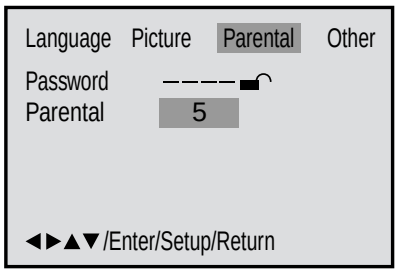
Do not forget your password because it is required in order to change the *Parental* rating level.



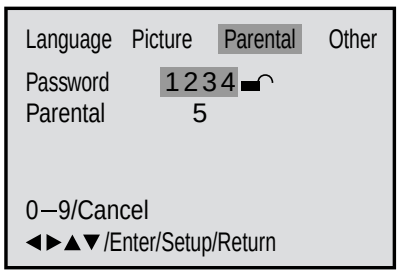
1. Press SETUP•MENU on the remote to bring up the menu.
2. Press the right arrow to highlight *Parental* menu.
3. Press the down arrow to highlight the *Password*.



4. Enter your password and press ENTER (padlock is unlocked).



5. Press down arrow to highlight the *Parental* rating.
6. Press left or right arrow until the rating level you want appears.

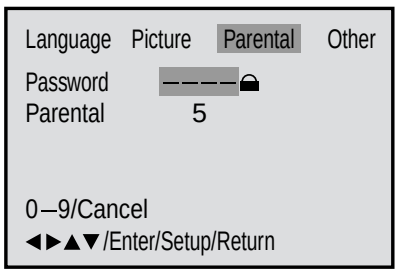


7. Press the up arrow to highlight *Password*.
8. Enter your password using the number buttons (0-9) and press ENTER.

Notes: If you enter a wrong number, press CANCEL.

The rating level is locked and cannot be changed unless you enter the correct password.

If you forget your password, turn on the TV and place TV in DVD mode. Reduce the volume to a minium level. Press and hold the VOLUME down button on the front of the TV/DVD and press the 0 button on the remote control simultaneously. When the Parental screen appears, enter a new password.



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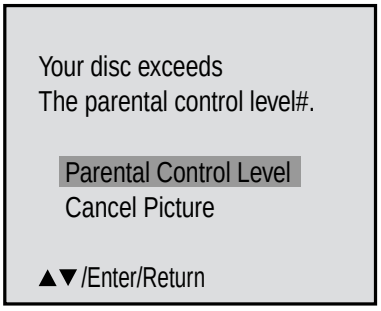
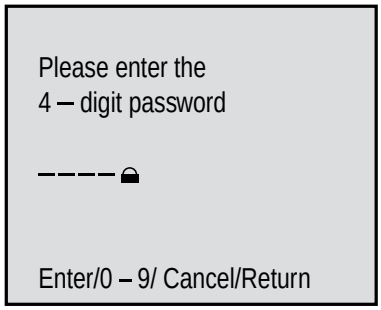
Temporary Disabling of Rating Level by DVD Disc

The TV/DVD alerts you when you try to play a movie with a rating that exceeds the limit you've set. Some discs include a rating override feature or might try to cancel the rating level that you have set. If the DVD is designed to temporarily cancel the rating level, the screen which follows the *Reading* screen changes. If you select YES, *"Your disc exceeds the parental control level#."* screen appears.



To cancel the set rating temporarily:

1. Select the *Parental Control Level* with the up or down arrow, then press ENTER.

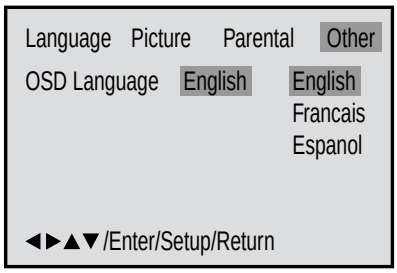


2. Enter the password with the number buttons. Playback will begin if the correct password was entered.

   Note: If the password has not been set, playback will begin. If you've forgotten or don't know the password, then select *Cancel Picture* and remove the disc.

Other Menu

The *Other* menu enables you to set the on-screen menu language of the DVD portion of the TV/DVD.



1. Press SETUP•MENU on the remote to display the DVD's menu.
2. Press the right arrow repeatedly to highlight *Other*.
3. Press the down arrow or ENTER to select *Other* and display the *OSD Language* option.
4. Press the right and down arrow to highlight the desired language (English, Francais, Espanol) for the on-screen displays of the DVD menu.
5. Press ENTER to select the language.
6. SETUP•MENU or RETURN to exit the menu.

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Code List

Don't forget to press the OK button after you enter the code.

Language	Code	Language	Code	Language	Code
Abkhazian	1112	Icelandic	1929	Sindhi	2914
Afar	1111	Indonesian	1924	Singhalese	2919
Afrikaans	1116	Interlingua	1911	Slovak	2921
Albanian	2927	Irish	1711	Slovenian	2922
Ameharic	1123	Italian	1930	Somali	2925
Arabic	1128	Japanese	2011	Spanish	1529
Armenian	1835	Javanese	2033	Sundanese	2931
Assamese	1129	Kannada	2124	Swahili	2933
Aymara	1135	Kashmiri	2129	Swedish	2932
Azerbaijani	1136	Kazakh	2121	Tagalog	3022
Bashkir	1211	Kirghiz	2135	Tajik	3017
Basque	1531	Korean	2125	Tamil	3011
Bengali; Bangla	1224	Kurdish	2131	Tatar	3030
Bhutani	1436	Laothian	2225	Telugu	3015
Bihari	1218	Latin	2211	Thai	3018
Breton	1228	Latvian, Lettish	2232	Tibetan	1225
Bulgarian	1217	Lingala	2224	Tigrinya	3019
Burmese	2335	Lithuanian	2230	Tonga	3025
Byelorussian	1215	Macedonian	2321	Turkish	3028
Cambodian	2123	Malagsy	2317	Turkmen	3021
Catalan	1311	Malay	2329	Twi	3033
Chinese	3618	Malayalam	2322	Ukrainian	3121
Corsican	1325	Maltese	2330	Urdu	3128
Croatian	1828	Maori	2319	Uzbek	3136
Czech	1329	Marathi	2328	Vietnamese	3219
Danish	1411	Moldavian	2325	Volapük	3225
Dutch	2422	Mongolian	2324	Welsh	1335
English	1524	Naru	2411	Wolof	3325
Esperanto	1525	Nepali	2415	Xhosa	3418
Estonian	1530	Norwegian	2425	Yiddish	2019
Faroese	1625	Oriya	2528	Yoruba	3525
Fiji	1620	Panjabi	2611	Zulu	3631
Finnish	1619	Pashto, Pushto	2629		
French	1628	Persian	1611		
Frisian	1635	Polish	2622		
Galician	1722	Portuguese	2630		
Georgian	2111	Quechua	2731		
German	1415	Rhaero-Romance	2823		
Greek	1522	Romanian	2825		
Greenlandic	2122	Russian	2831		
Guarani	1724	Samoan	2923		
Gujarati	1731	Sanskrit	2911		
Hausa	1811	Scots Gaelic	1714		
Hebrew	1933	Serbian	2928		
Hindi	1819	Servo-Croatian	2918		
Hungarian	1831	Shona	2924		

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Other Information

Chapter Overview:

- The Front of Your TV/DVD
- Accessory Order Form
- Care and Cleaning
- Limited Warranty
- Troubleshooting
- Index

Changing Entertainment. Again.

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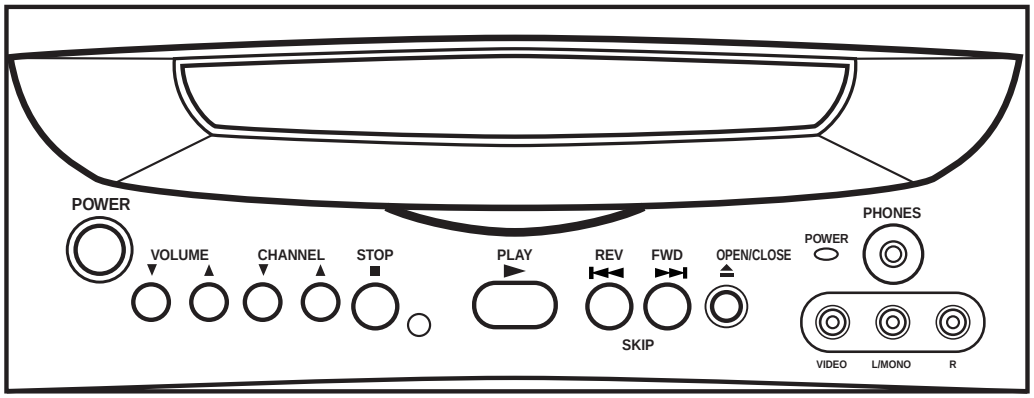

The Front of Your TV/DVD

If you can't find your remote control you can use the buttons on your TV/DVD to operate many of the TV/DVD's features.

Disc Tray Holds the discs.

POWER Turns the TV/DVD on and off.

VOLUME up/VOLUME down (VOLUME 32 **)** Increases and decreases the volume.

CHANNEL down/CHANNEL up (CH 012 **)** Scans up and down through the current channel list.

STOP (■ **)** Stops disc play.

Remote Sensor Receives the remote control signal.

PLAY (► **)** Begins disc play.

REV/SKIP (⏮ **)** Allows you to move to the beginning of the preceding title, chapter, or track on a disc (in effect, "skipping" the title, chapter, or track).

FWD/SKIP (⏭ **)** Allows you to move to the beginning of the next title, chapter, or track on a disc (in effect, "skipping" the title, chapter, or track).

OPEN/CLOSE (⏏ **)** Press to open and close the disc tray.

POWER Indicator Lights when the TV/DVD is turned on.

Front Panel Jacks

When in TV mode, you can access the component you connected by pressing the INPUT button on your remote until *LINE2* appears on the screen.

VIDEO (In Jack) Allows you to connect a component such as a VCR, camcorder or video game device.

L/MONO and R (Audio In Jack) Receives audio signals from another component such as a VCR, camcorder or video game device.

PHONES (Headphone Jack) Allows you to connect headphones to listen to the sound.

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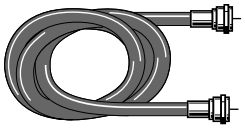
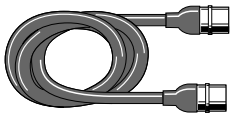


VH81 (3-ft)

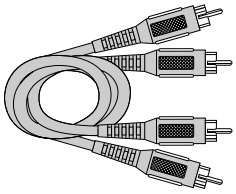
VH82 (6-ft)

Screw-on Cable *attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. The ends screw onto the connectors for a secure connection.*



VH89 (6-ft)

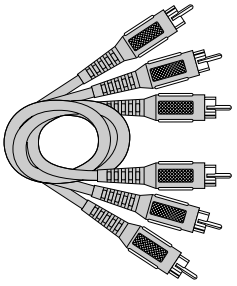
Push-on Cable *attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. Ends push on for a quick connection.*



Gold-Tipped cable

VH83 (6-ft)

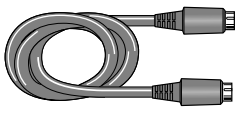
Monaural VCR Dubbing Cable *Double cable that lets you connect the video and audio jacks of two VHS VCRs to duplicate tapes. Can also be used to connect a VCR to your TV. Cable is color-coded and shielded. Has RCA-type phono plugs on each end.*



Gold-Tipped cable

VH84 (6-ft)

Stereo VCR Dubbing Cable *Triple cable that lets you connect the VIDEO and AUDIO jacks of stereo components.*



VH976 (6-ft)

VH913 (12-ft)

S-Video Cable *has multi-pin connectors on each end for connecting S-Video components to your TV.*

Continued on next page.....

Detach Here

Accessory Order Form

Description	Part No.	Price	Qty	
Screw-on antenna cable (3-ft)	VH81	$3.95		
Screw-on antenna cable (6-ft)	VH82	$4.95		
Push-on antenna cable (6-ft)	VH89	$5.95		
Monaural VCR Dubbing Cable (6-ft)	VH83	$5.95		
Stereo VCR Dubbing Cable (6-ft)	VH84	$9.95		
S-Video Cable (6-ft)	VH976	$7.95		
S-Video Cable (12-ft)	VH913	$14.95		
2-way Signal Splitter	VH47	$3.95		
Amplified Antenna	ANT200	$49.95		
Antenna Mixer (not shown)	193984	$11.15		
Remote Control (CRK76TZL1)	254780	$29.95		
Audio•Video Adapter (not shown)	228449	$4.45		

Prices are subject to change without notice.

Total Merchandise ..... $ _____

Sales Tax ..... $ _____

We are required by law to collect the appropriate sales tax for each individual state, country, and locality to which the merchandise is being sent.

Shipping and Handling ..... $ 5.00

Total Amount Enclosed ..... $ _____

Use VISA, MasterCard, or Discover Card preferably.

Money order or check must be in U.S. currency only.

No COD or CASH.

All accessories are subject to availability.

Where applicable, we will ship a superseding model.

Please complete other side also

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Other Information

Charge your order on your VISA, MasterCard, or Discover Card by filling in below

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number from your VISA card

My card expires: ☐☐ ☐☐

IMPORTANT: Copy complete account number from your MasterCard

Copy Number above your name on MasterCard ☐☐☐☐ My card expires: ☐☐ ☐☐

IMPORTANT: Copy complete account number from your Discover Card

My card expires: ☐☐ ☐☐

AUTHORIZED SIGNATURE
(Credit card order will not be processed without signature)

Print or type your name and address clearly.

A complete and correct order will save you days of waiting.

Name: _____

Street: _____

_____ Apt: _____

City: _____

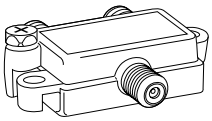
State: _____ Zip: _____

Daytime phone number: _____

Please make sure that both sides of this form have been filled out completely.

- Allow 4 weeks for delivery.
- All accessories are subject to availability.
- Prices are subject to change.

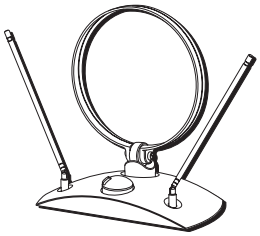
Detach Here



2-way Signal Splitter

Helps you connect a second TV or VCR.

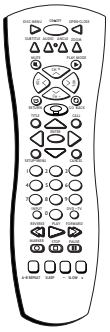
Splitter VH47



Amplified Antenna

Allows you to quickly switch from the antenna signal to the cable or satellite signal without disconnecting the antenna.

ANT200



Remote Control

This is the remote control that came packed with your TV. Replacements or spares can be ordered as needed.

CRK76TZL1

To Order

To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below.

Use this number only to place an order for accessory items listed on this order form.

1-800-338-0376

To place your order by mail, detach and mail the completed order form with credit card information, money order or check in US currency (made payable to Thomson multimedia Inc.) to the following address:

Video Accessories
PO Box 8419
Ronks, PA 17573

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Care and Cleaning

CAUTION: Turn OFF your TV/DVD before cleaning.
You can clean the TV/DVD as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV/DVD's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV/DVD.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV/DVD. Also, avoid placing drinks or vases with water on top of the TV/DVD. This could increase the risk of fire or shock hazard or damage to the TV/DVD.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/ program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Handling Cautions

- Before connecting other components to this TV/DVD, be sure to turn all components off.
- Don't move the TV/DVD while a disc is being played. The disc may get scratched or broken, and the TV/DVD's internal parts may be damaged.
- Don't put any container filled with liquid or any small metal objects on the TV/DVD.
- Be careful not to put your hand into the disc tray.
- Don't place anything other than the disc in the disc tray.
- Exterior influences such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the TV/DVD off and on again with the ON•OFF button, or disconnect and then reconnect the AC power cord to the AC power outlet. The TV/DVD will operate normally.
- Be sure to remove the disc and turn off the TV/DVD after use.

Formation of Condensation

- Due to sharp changes in temperature and humidity, condensation may form if warm air comes in contact with any cold parts inside the TV/DVD.
- When condensation forms inside the TV/DVD, it may not operate correctly. If this occurs, leave the TV/DVD at room temperature until the inside of the disc tray becomes dry and operational.
- If condensation forms on a disc, wipe the disc with a soft, dry cloth by moving the cloth from the center hole toward the outer edge.

Handling Discs

- Don't touch the disc's signal surfaces. Hold by the edges or by one edge and the hole in the center.
- Don't affix labels or adhesive tape to label surfaces. Don't scratch or damage the label.
- Do not use damaged (cracked or warped) discs.

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Cleaning Discs

- Dirty discs can cause reduced video and audio performance. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes very dirty, wet a soft cloth in water, wring it out well. Wipe the dirt away gently, and remove any water drops with a dry cloth.
- Do not use record-cleaning sprays or anti-static agents on discs. Also, never clean the discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

RCA TV/DVD Limited Warranty

What your warranty covers:
- Defects in material or workmanship.

For how long after your purchase:
- 90 days from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm whichever comes first.

What we will do:
- Pay any Authorized RCA Television Service Center the labor charges to repair your unit.
- Pay any Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your unit.

How you get service:
- For screen sizes of 26" and smaller: Take your RCA unit to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 26": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your unit is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the

warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does *not* cover:
- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your TV/DVD.
- Damage from misuse or neglect.
- Batteries.

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- A TV/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Images burnt onto the screen.
- Acts of nature, such as but not limited to lightning damage.
- A unit purchased or serviced outside the U.S.A.

Product Registration:

- Please complete and mail the Product Registration Card packed with your set. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
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- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

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Troubleshooting

If you are experiencing product operation problems, please review the troubleshooting section before you call for service. Refer to the Limited Warranty for information on how to obtain repair service.

DVD Problems

Player won't work
- Reset the TV/DVD by unplugging the AC power cord and plugging it back in.

Disc won't play
- Insert a disc with the label side facing up.
- Check the type of disc you put into the disc tray. This TV/DVD only plays DVD video discs and audio CDs.
- Make sure the disc is not dirty.
- Both the TV/DVD and the disc are coded by region. If the regional codes don't match, the disc can't be played. This TV/DVD is Region No. 1.
- The unit cannot play certain discs, check types on page 18.

Play starts, but then stops immediately
- Try cleaning the disc.
- Condensation has formed. Allow player to dry out (it may take 2 to 3 hours).

No sound or distorted sound
- Make sure your TV/DVD is connected properly. Make sure all cables are securely inserted into the appropriate jacks.
- Sound is muted during still, frame advance, or slow-motion play.
- If you connected an audio or audio/video receiver to your TV/DVD, make sure you chose the correct input setting on the receiver.

Can't advance through a movie
- You can't advance through the opening credits and warning information that appear at the beginning of movies because the disc is programmed to prohibit that action.

The picture is distorted
- Did you connect your VCR to your TV/DVD? Disconnect it. See chapter 1 for the correct setup and connection.
- The disc might be damaged. Try another disc.

Picture is distorted during forward and reverse scan
- It is normal for some distortion to appear while scanning.

No picture
- Not in the DVD mode.
- No disc is inserted.

No on-screen display
- Display is turned off in the menu. Change setting in the *Picture* menu.

No subtitle
- Some discs have no subtitles,
- Subtitles are cleared. Press SUBTITLE button on the remote control.

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Troubleshooting

Subtitle and/or audio language is not changed when you play back a DVD

- If the subtitle and/or audio language does not exist on the disc, the initial settings will not be seen/heard. The disc's priority language is selected instead. Set the subtitle and/or audio language manually through the DVD's main menu.
- Since this unit plays a DVD according to the disc contents designed by the software producers, subtitle and/or audio language may not be changed.

The menu is displayed in a foreign language

- The *Language* menu preference is set to that language. From the DVD's main menu, select the *Language* menu. Highlight the language you prefer and press ENTER.

No forward, reverse scan, slow-motion play, repeat play, program play, pause during playback etc.

- Some discs have sections that prohibit these functions.
- If you're trying to skip through the warning information and credits at the beginning of a movie, you won't be able to. This part of the movie is often programmed to prohibit skipping through it.

Camera angle cannot be changed

- Some discs don't have the multi-camera angle system because the software producers chose not to design into the DVD.
- Some discs only have the angle system in certain parts of the movie (hand icon) appears on the screen.

(Hand icon) appears on screen

- The feature or action cannot be completed because:
  1. The disc's software restricts it.
  2. The disc's software doesn't support that feature (e.g., angles).
  3. The feature is not available at the moment.
  4. You've requested a title or chapter number that is out of range.

Picture is too tall and thin

- Change the aspect ratio using the *TvScreen* option in the *Picture* menu (see chapter 4).

Picture is too short and wide

- Change the aspect ratio using the *TvScreen* setting in the *Picture* menu (see chapter 4).

Cannot copy discs to video tape

- You can't record DVD discs onto videocassettes because the discs are encoded with anti-copy protection.

Disc won't eject

- When you put a disc into the disc tray, it may take up to 15 seconds to read the disc. You won't be able to eject the disc during this time. Wait 15 seconds and try again.

TV Problems

TV won't turn on

- Press the ON/OFF button.
- Make sure the TV/DVD is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV/DVD. If the TV turns on, check the remote control solutions on page 55.
- Unplug unit and plug it back in.

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Troubleshooting

Buttons don't work

- If you're using the remote control, press the DVD→TV button first to make sure the remote is in TV mode.
- Unplug the TV/DVD for two minutes and then plug it back in. Press the ON/OFF button and try again.

TV turns off while playing

- Sleep Timer is set.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV on again. If this happens frequently, the voltage in your house may be abnormally high or low.

Blank screen

- Make sure the component connected to the TV/DVD is turned on.
- Try another channel.

No sound, picture okay

- Maybe sound is muted. Press the volume up button to restore sound.
- Station or CATV experiencing problems, turn to another channel.

Can't select certain channel

- Channel may be blocked or not approved in the *Parental* menu.
- If using a VCR, make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Noisy stereo reception

- The station might be weak. Press the AUDIO button on your remote control to change from stereo to mono.

No picture, no sound but TV is on

- The channel might be empty — change channels.
- If you're watching your VCR and it's connected with coaxial cable to the UHF/VHF jack, tune the TV to channel 3 or 4 (whichever channel is selected on the 3/4 switch on the back of your VCR). Also check to make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting the picture quality. Go to page 28 for more instructions.

No Closed Caption

- Try another channel, station may be experiencing problems or closed captioning is not being broadcast by the station.
- Check antenna connections. If using an indoor antenna or if TV reception is very poor, Closed Caption may not appear or may appear with strange characters or misspelled words.
- Turn on closed captioning by pressing the SUBTITLE button when in the TV mode.
- Some cable systems and copy protection systems may interfere with the Closed-Caption signal.
- Closed Caption may be lost due to a commercial or break in the signal, but reappears when the signal is received again.

Black box appears on the screen

- Closed-captioning turned on. Press the SUBTITLE button to turn it off. Check the *Closed-Captioning* feature.

Display not shown in your language

- Select the proper language in the *Setup* menu (hammer and wrench icon)

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The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component.
- The remote might be in the wrong mode. To be in DVD mode, press DVD/TV on the remote before you press any other buttons.
- Maybe batteries in remote are weak, dead or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

Problems with V-Chip/Parental Control

The rating limits don't work

- You must set up the parental ratings. Go to page 40 in Chapter 4 for more information.

I don't remember my password for V-Chip and I want to unlock the TV

- If you forget your password, turn on the TV. Reduce the volume to a minium level. Press and hold the VOLUME down button on the front of the TV/DVD and press the 0 button on the remote control simultaneously. When the V-CHIP SET menu appears, enter a new password.

I don't remember my password for parental control and I want to unlock the TV

- If you forget your password for parental control:
  1. Press OPEN/CLOSE to open the disc tray.
  2. Remove the disc.
  3. Press OPEN/CLOSE again to close the tray. "NO DISC" appears on the TV screen.
  4. While holding STOP down on the TV/DVD, press 7 on the remote control. "Iniitialize" appears on the TV screen.
  5. Enter a new password again.

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